

IN THE CLAIMS

1. (Currently Amended) A flat panel for a cathode ray tube comprising:
an outer surface having a flat configuration; and
an inner surface having a non-spherical, convexly curved configuration relative to the
outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein Y_1 represents a vertical distance between the outer surface and a refracted
screen image on a central axis of the panel, and Y_2 represents a vertical distance between the
outer surface and the refracted screen image in peripheral areas other than the central axis of
the panel, and

wherein the panel is formed of a transparent glass having a transmission ratio of 60%
or more.

2. (Canceled) A flat panel for a cathode ray tube as claimed in claim 1, wherein
the panel has a high transmission ratio equal to or greater than about 60%.

3. (Currently Amended) In a cathode ray tube comprising a funnel having a neck
part and an opening part, an electron gun provided at a front end portion of the neck part in
the funnel for emitting electron beams, a deflection yoke for deflecting the electron beams
emitted from the electron gun, a shadow mask for discriminating the electron beams deflected
by the deflection yoke, and a panel coupled in the opening part of the funnel and provided
with a phosphor surface inside for realizing a screen image by the electron beams
discriminated by the shadow mask, the panel comprising:

an outer surface having a flat configuration; and

an inner surface having a non-spherical, convexly curved configuration relative to the
outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein Y_1 represents a vertical distance between the outer surface and a refracted
screen image on a central axis of the panel, and Y_2 represents a vertical distance between the

outer surface and the refracted screen image in peripheral areas other than the central axis of the panel, and

wherein the panel is formed of a transparent glass having a transmission ratio of 60% or more.

4. (Canceled) A flat panel for a cathode ray tube as claimed in claim 3, wherein the panel has a high transmission ratio equal to or greater than about 60%.